Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 13 Dec 2021 until 23:59 on Tuesday 14 Dec 2021

Forecast Issued on Sunday 12 Dec 2021 at 14:50

Confidence: Generally high but some uncertainty in whether any rain will reach the south late on Monday. High for more settled weather becoming established from mid-week.

Headline for Monday 13 Dec 2021: Mainly dry. Cold and breezy on the tops.

Mountain weather hazards on Monday 13 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Cloudy	Cloudy	Sunny intervals	Sunny intervals	Cloudy	Cloudy	Cloudy
Precipitation probability							
60%	20%	10%	10%	10%	20%	30%	20%

Forecast for Monday 13 Dec 2021

Weather: Overnight rain will clear east with strong winds easing. A mainly dry day with some bright intervals but cloud will thicken during the afternoon. There is a very small chance of some rain and summit snow spreading up into the south during the late afternoon or evening.

Chance of cloud free mountain/hill tops above 800m: 70%.

Visibility: Mostly good. Patchy cloud above 600m, mainly across southern and western fells. Small chance of more persistent low cloud in the south later.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Monday 13 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	59/73 SW	29/37 W	21/26 SW	20/24 SW	19/24 SW	17/21 SW	14/18 SW	13/17 SW	14/18 SW
600	49/66 SW	24/35 W	18/25 SW	15/21 SW	15/20 SW	14/20 SW	11/16 SW	10/14 SW	10/15 SW
300	19/50 SW	12/30 W	7/21 W	6/19 SW	6/18 SW	5/15 SW	4/13 SW	4/12 SW	4/13 SW
Valley	19/46 SW	11/26 W	7/18 W	5/16 SW	6/15 SW	5/14 W	4/10 SW	3/10 SW	4/10 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	5/-2	2/-6	1/-6	0/-6	1/-5	0/-5	0/-5	-0/-6	-1/-6
600	7/0	4/-2	3/-2	2/-2	3/-1	3/-2	2/-2	1/-2	1/-3
300	8/5	6/3	5/2	4/2	6/4	5/3	4/3	3/2	3/1
Valley	10/7	8/5	7/5	7/5	8/6	7/6	6/5	6/5	6/4
Freezing Level*	1800m	1000m	1000m	1000m	900m	900m	900m	900m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Strong winds easing in the early hours but remaining rather cold and breezy on the tops.

Forecast for Tuesday 14 Dec 2021

Weather: Mainly dry and rather cloudy day but a little brightness at times, mainly in the east. Just the odd spot of rain or drizzle across the western side of the Lake District. Windy on the tops.

Maximum wind: Southwest 20mph gusts 30mph, increasing to 25-30mph with gusts 40mph on the tops.

Chance of cloud free mountain/hill tops above 800m: 30%. Best chance in north and east.

Visibility: Patchy low cloud and fog down to low slopes at first. Visibility becoming good with cloud lifting to leave a few areas of cloud and fog above 600m by the afternoon, mainly affecting the south and west.

Temperature: **Valleys:** Plus 5C rising to 7 or 8C.
At 800m: Plus 1C rising to 4C.
Freezing level: 900m at first, rising above summits.

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Mountain Weather Forecast

Ground Conditions Supplement
Readings from Helvellyn summit at 12:05 on Sunday 12th December 2021.

A relatively mild day with rain setting in from mid-morning and thawing conditions at all levels. A lot of snow has melted in the last 48 hours and cover is now more fragmented with the snow line starting at roughly 600m.

The remaining snow varies significantly in distribution from drifts over a metre deep in some places to only small amounts on exposed areas.

The greatest quantities of snow are to be found in north and east-facing corries above 700m. Small unstable cornices are also present around corrie rims and should be given a wide berth.

Snow on popular paths has been well compacted and soft ice was also present in these areas today. Away from the paths, snow is on average boot deep and difficult to walk through.

Some of the paths are still buried under the snow and can't necessarily be relied on to find your way in poor visibility.

The crests of Swirral and Striding edge are largely snow-free, however, the flanks and steep exit slopes still hold a lot of snow (the exit slopes of Striding edge in particular).

Full winter clothing and equipment including hat and gloves, map, compass, and headtorch are all essential. An ice axe and crampons and/or microspikes are also advisable for anyone venturing onto or near any steep ground.

Temperature plus 4.6C Maximum wind speed 30.5mph Wind chill plus 0.5C Average wind speed 14.7mph Wind direction SSW

Issued at: 1450 on Sun 12 Dec 2021

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